Public Class frmForNext2
  Inherits System.Windows.Forms.Form

  Windows Form Designer generated code

  Private Sub btnEnd_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
    End
  End Sub

  Private Sub btnProcess_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
    Dim wkFirstNum As Integer
    Dim wkSecondNum As Integer
    Dim wkResult As Integer
    Dim wkToShow As String
    For wkFirstNum = 1 To 5
      For wkSecondNum = 1 To 5
        wkResult = wkFirstNum + wkSecondNum
        wkToShow = wkFirstNum & " + " & wkSecondNum & " = " & wkResult
        lstMathFacts.Items.Add(wkToShow)
      Next
    Next
  End Sub
End Class
When you drop from the outer loop to the inner loop the number gets reset to the beginning pt - in this case reset to 1.
Public Class frmFacNext2
    Inherits System.Windows.Forms.Form

    Windows Form Designer generated code

    Private Sub btnEnd_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnEnd.Click
        End
    End Sub

    Private Sub btnProcess_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnProcess.Click
        Dim ukFirstNum As Integer
        Dim ukSecondNum As Integer
        Dim ukResult As Integer
        Dim ukToShow As String

        For ukFirstNum = 1 To 5
            For ukSecondNum = 1 To 5
                ukResult = ukFirstNum + ukSecondNum
                ukToShow = ukFirstNum & " + " & ukSecondNum & " = " & ukResult
                lstMathFacts.Items.Add(ukToShow)
            Next
        Next
        End Sub
    End Class

Loops:
Set start pt
Increment
Test end
Private Sub btnCalc_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCalc.Click
Dim wtrCost As Single
Dim wtrWeight As Integer
Dim ctsCosts As Integer

wtrCost = ctsCosts
wtrWeight = Val(txtWtr.Text) * 16 + Val(txtPrice.Text)
If wtrWeight < 17 Then
    wtrCost = ctsCosts
Else
    wtrCost = wtrWeight - 16
    wtrCost = ctsCosts
End If

Do While wtrWeight > 0
    wtrCost = wtrCost + ctsCosts
    wtrWeight = wtrWeight - 4
Loop
End Sub

Private Sub btnClear_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnClear.Click
txtName.Clear()
txtStkId.Clear()
txtCSZ.Clear()
txtWtr.Clear()
txtPrice.Clear()
```
Public Class frmDoWhile
    Inherits System.Windows.Forms.Form

    Windows Form Designer generated code

Private Sub btnCalc_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCalc.Click
    Dim wtkCost As Single
    Dim wtkWeight As Integer

    wtkWeight = Val(txtlb.Text) * 16 + Val(txtoz.Text)
    If wtkWeight < 17 Then
        wtkCost = cstFirstLb
    Else
        wtkWeight = wtkWeight - 16
        wtkCost = wtkCost + cstEvery4oz
        Do While wtkWeight > 0
            wtkCost = wtkCost + cstEvery4oz
            wtkWeight = wtkWeight - 4
        Loop
    End If
    txtAmount.Text = Format(wtkCost, "Currency")
End Sub

Private Sub btnClear_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnClear.Click
    txtName.Clear()
    txtStkAr.Clear()
    txtCSZ.Clear()
    txtlb.Clear()
    txtoz.Clear()
End Sub
Title: Feb 3-1:23 PM (8 of 25)
Public Class frmDoWhile
    Inherits System.Windows.Forms.Form

    Windows Form Designer generated code

    Private Sub btnCalc_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCalc.Click
        Dim wkrWeight As Integer
        Dim wkrCost As Single
        Dim wkrCostPerLB As Single = 1.5
        Dim wkrCostForEvery4oz As Single = 0.5

        wkrWeight = CInt(txtLB.Text) + CInt(txtOz.Text)
        If wkrWeight < 17 Then
            wkrCost = wkrCostPerLB
        Else
            wkrCost = wkrCostForEvery4oz
        End If
        wkrCost = wkrCost + wkrCostForEvery4oz
        wkrWeight = wkrWeight - 4
        Loop
        txtDue.Text = Format(wkrCost, "Currency")
    End Sub

    Private Sub btnClear_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnClear.Click
        txtName.Clear()
        txtStadr.Clear()
        txtCSZ.Clear()
        txtOz.Clear()
        txtLB.Clear()
    End Sub

    End Class
Public Class frmForSteps
    Inherits System.Windows.Forms.Form

    Windows Form Designer generated code

    Private Sub btnEnd_Click(ByVal sender As System.Object, ByVal e As EventArgs)
        End
    End Sub

    Private Sub btnProcess_Click(ByVal sender As System.Object, ByVal e As EventArgs)
        Dim wkfirstNum As Integer
        Dim wksecondNum As Integer
        Dim wkResult As Integer
        Dim wkToShow As String
        Dim wkStart As Integer = 2
        Dim wkEnd As Integer = -4
        Dim wkIncrement As Integer = -2
        For wkfirstNum = wkStart To wkEnd Step wkIncrement
            For wksecondNum = wkStart To wkEnd Step wkIncrement
                wkResult = wkfirstNum + wksecondNum
                wkToShow = wkfirstNum & " + " & wksecondNum & " = " & wkResult
                lstMathFacts.Items.Add(wkToShow)
            Next
        Next
    End Sub
End Class
Public Class frmForSteps

 Inherits System.Windows.Forms.Form

 Windows Form Designer generated code

 Private Sub btnEnd_Click(ByVal sender As System.Object, ByVal e As
 End
 End Sub

 Private Sub btnProcess_Click(ByVal sender As System.Object, ByVal e As
 Dim wkFirstNum As Integer
 Dim wkSecondNum As Integer
 Dim wkResult As Integer
 Dim wkToShow As String
 Dim wkStart As Integer = 2
 Dim wkEnd As Integer = 4
 Dim wkIncrement As Integer = -2
 For wkFirstNum = wkStart To wkEnd Step wkIncrement
 For wkSecondNum = wkStart To wkEnd Step wkIncrement
   wkResult = wkFirstNum + wkSecondNum
   wkToShow = wkFirstNum & " + " & wkSecondNum & " = " & wkResult
   lstMathFacts.Items.Add(wkToShow)
 Next
 Next
 End Sub
 End Class

-13.5 - 1012
Public Class frmDoUntil
    Inherits System.Windows.Forms.Form

    Windows Form Designer generated code

    Private Sub btnCalc_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCalc.Click
        Dim wkrCost As Single = 1.5
        Dim wcrCost As Single = 0.5
        Dim wt As Single
        Dim wkrWeight As Integer

        If wkrWeight < 17 Then
            wkrCost = wcrCost + 1.0
            wkrWeight = wkrWeight + 16
       Else
            wkrWeight = wkrWeight - 16
            wkrCost = wcrCost + 1.0
            Do Until wkrWeight <= 0
                wkrCost = wkrCost + wcrCost
                wkrWeight = wkrWeight - 4
            Loop
        End If
        txtA.Text = Format(wkrCost, "Currency")
    End Sub

    Private Sub btnClear_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnClear.Click
        txtA.Text.Clear()
        txtB.Text.Clear()
        txtC.Text.Clear()
```vba
Public Class frmDoUntil
    Inherits System.Windows.Forms.Form

    Windows Form Designer generated code

    Private Sub btnCalc_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCalc.Click
        REM up to 1 lb costs $1.50
        REM over 1 lb costs $1.50 plus 4.50 for every additional pound
        Const costFirstLB As Single = 1.5
        Const costEvery4oz As Single = 0.5
        Dim wkrWeight As Integer
        Dim wkrCost As Single
        wkrWeight = Val(txtWeight.Text) " Convert to Integer
        If wkrWeight < 17 Then
            wkrCost = costFirstLB
        Else
            wkrWeight = wkrWeight - 16
            wkrCost = wkrCost + costEvery4oz
        End If
        Do Until wkrWeight <= 0
            wkrCost = wkrCost + costEvery4oz
            wkrWeight = wkrWeight - 4
        Loop
        txtAmountDue.Text = Format(wkrCost, "Currency")
    End Sub

    Private Sub btnClear_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnClear.Click
        txtName.Clear()
        txtStadr.Clear()
        txtCSZ.Clear()
        txtLbl.Clear()
        txtOz.Clear()
    End Sub
```
Public Class frmRepeatMsg
    Inherits System.Windows.Forms.Form

    Windows Form Designer generated code

    Private Sub btnProcess_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnProcess.Click
        Dim ct As Integer = -5
        Do While ct < 15
            ListBox1.Items.Add("This is week ", ct & ": of the semester")
            ct = ct + 1
        Loop
    End Sub

    Private Sub btnEnd_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnEnd.Click
        End Class
    End Sub

    Repeat Msg

    This is week 5 of the semester
    This is week 4 of the semester
    This is week 3 of the semester
    This is week 2 of the semester
    This is week 1 of the semester
    This is week 0 of the semester
    This is week 9 of the semester
    This is week 8 of the semester
    This is week 7 of the semester
    This is week 6 of the semester
    This is week 5 of the semester
    This is week 4 of the semester
    This is week 3 of the semester
    This is week 2 of the semester
    This is week 1 of the semester
    This is week 0 of the semester

    Process  End
Private Sub btnPlay_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnPlay.Click
    triGuess.Value = 1
    txtGuess.Text = 1
    lblMsg.Text = ""
    Randomize()
    ranNum = 1 + Int(Rnd() * 25)
    btnPlay.Visible = False
End Sub

Private Sub txtGuess_Validate(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles txtGuess.Validate
    If txtGuess.Text = ranNum Then
        lblMsg.Text = "You Guessed it!!!!"
        btnPlay.Visible = True
    Else
        If txtGuess.Text > ranNum Then
            lblMsg.Text = "Your Guess is Too High"
        Else
            lblMsg.Text = "Your Guess is Too Low"
        End If
    End If
End Sub
End Class
Public Class frmGuess
    Inherits System.Windows.Forms.Form
    Dim ranNum As Integer

    Windows Form Designer generated code

    Private Sub btnPlay_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnPlay.Click
        trbGuess.Value = 1
        txtGuess.Text = 1
        lblMsg.Text = ""
        Ranonize()
        ranNum = 1 + Int((End() * 25))
        btnPlay.Visible = False
    End Sub

    Private Sub trbguess_Scroll(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles trbGuess.Scroll
        txtGuess.Text = trbGuess.Value
    End Sub

    Private Sub btnChk_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnChk.Click
        If txtGuess.Text = ranNum Then
            lblMsg.Text = "You Guessed It!!!!!"
            btnPlay.Visible = True
        Else
            If txtGuess.Text > ranNum Then
                lblMsg.Text = "Your Guess is Too High"
            Else
                lblMsg.Text = "Your Guess is Too Low"
            End If
        End If
    End Sub
End Class